$$|OV = IR$$

because leah resistor is much bygger than voltanete resistor, attaching a series doesn't noticedly decrease correct RV VV V = E R = 100 18.00 = 0.14 V

Vsorree Rsovee

Rover

Rover P = IV = $\frac{V^2}{R}$ $\frac{V_{out}}{R_{load}(R_i)}$ V_{out}^2 $\frac{R_{load}}{R_{some} + R_2}$ R, +R, $P = \frac{R_i^*}{(R_s + R_i)^2} \frac{R_i}{R_i} = \frac{R_i}{(R_i + R_i)^2}$ $\frac{\partial P}{\partial R} = \frac{1}{(R_{s+R})^2} = 0$ 1 - 2 RL = 0

 $|z| \frac{2RL}{R_s + R_L}$ $R_s + R_L = 2RL$ $R_s = 2RL$